Do not Enter HW 7/5/01

ROOM- DESIGNATED RF ALARM SYSTEM

BACKGROUND OF THE INVENTION

1. Field of the invention

This invention relates to the encoding, transmission, receiving and voice output of data by home detection Devices, such as smoke, carbon -monoxide and radon gas detectors.

2. Description of prior art.

There are many prior art detection devices most are best suited to solve a particular problem such as Stebbins – audio listen and voice security system pat # 5,736,927 as shown on the beginning of page 3 of his patent "EACH OF THE ALARM SENSORS IS ADDRESSABLY IDENTIFIABLE TO THE SYSTEM CONTROLLER BY ASSIGED ZONES AND ALARM CONDITION PRIORITIES." Here the location of the detecting sensor is not provided to occupant at time of alert.

Kim U.S Patent No. 5,949,332 Fire Alarm Radio Transmitter and Receiver Set.

Transmits address or telephone number of the building to a fire station.

Location of detecting sensor not provided to occupant at time of alert.

Of the other patents referenced.

BANGA U.S Pat No.5, 889.468 HSU U.S Pat No. 5,724.020 ROUTMAN U.S Pat No. 5,349.338 And MUIR U.S Pat No 3,810.097.

None of the prior art allows a common home alarm user the ability to configure their own system By input of room name or location.

None of the prior art brings the location of detection to every room where sensor units are installed.

In the top of the line hardwired home security systems, a fire in the basement would cause all of the Alarms to go off and maybe a voice message at the keypad by the front door would give a voice Message such as "ALERT ZONE A FIRE", now that you know one of the ten smoke detector has Detected a fire !! WHICH WAY WOULD YOU RUN !!.

SUMMARY OF THE INVENTION

The present invention provides an end user the ability to install a customized alarm system, which is Easily reconfigurable by placing system units in all room choices or only a few of the provided room Choices. Also there is no need to reference a control pad or system monitor, in the event of a fire Incidence all system units voice playback detecting units room designation.

Another object of the present invention is to provide end users with an economical self-installed System that provides the in home safety of a commercial unit

To the accomplishment of the above and related objects, the invention may be embodied in the form Illustrated in the accompanying drawing, attention being called to the fact, however, that changes Maybe made in the specific construction illustrated and described within the scope of the appended Claims.

DESCRIPTION OF DRAWING

FIG.1 Front view of the preferred embodiment

FIG.2 block diagram of system unit operation.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

For the purpose of promoting an understanding of the principles of the invention, reference will Be made to the embodiment illustrated in the drawings.

The functions of the component parts of the present invention will be described hereinafter As follows:

FIG 2. The present invention is largely divided into a multi-positional encoder. 1

An RF alarm system with signal validation and detection I/O. 3

And a voice playback device with multiple message capability and end of message marker. 4.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT. (CONT.)

This system has two modes of operation.

MODE 1. RF alarm circuit 3 detects a fire incident. (By smoke or heat sensor)

A high-frequency alarm signal output cycle begins; alarm I/O goes high +5v

A 12-bit RF signal is transmitted 7. Signal consist of 8-bits communication code 2 plus 4-bits data 8

From the output of multi-positional encoder 1 on end of alarm output cycle voice playback device 4

Is triggered playback begins at address supplied by multi-positional encoder 1. On voice playback

End of message marker system reset.

MODE 2 RF alarm circuit 3 detects a matching communication code valid id output of RF receiver

Triggers voice playback device 4 which now uses begin playback address supplied by RF receiver

This is the signal from first detecting unit; its room designation is playback address. On end of message

Marker (voice playback circuit outputs +5v which is applied to alarm circuit I/O. to initiate high-frequency

Alarm signal output cycle. On end alarm cycle system reset.

EXAMPLE VOICE MESSAGE. Mapped to position 1.e.g., garage.

"ALERT SMOKE HAS BEEN DETECTED IN THE GARAGE. EOM."

What is claimed is new and desired to be protected by letters patent is set forth in the

Appended claims: